

TEST PROBE FOR ELECTRICAL DEVICES HAVING
LOW OR NO WEDGE DEPRESSION

ABSTRACT

[0090] A probe for use in detecting abnormalities in an electrical device having a wedge depression of no more than 100 mils. The probe includes a solid core surrounded by a sense coil. The ends of the core are arranged in a contact-free, spaced relationship between and at least partially above opposed surfaces of adjacent lamination teeth of a stator. Air gaps are maintained between the ends of the probe core and the opposed surfaces. The total of the two air gaps is constant. The probe is supported on a carriage arrangement and moved along the teeth. Variations in leakage flux produced with the stator energized with an energization winding to produce a flux which is a few percent of a normal energization level, are monitored.